

REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: ***Liparis loeselii*** (L.)L.C. Rich. / Loesel's twayblade / LILO
 (Scientific Name/Common Name/National Code for Plants – USDA PLANTS)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A	Nebraska sandhills (also ne SD & formerly ne KS). Confidence in Rank Medium	<ul style="list-style-type: none"> GPFA 1977, GPFA 1986, Larson 1993, SDNHD 2001.
2 Distribution outside R2	C	Circumboreal. In North America from Nfdl. to NWT interruptedly southward to WA, MT, KS, AR, AL, NC. Confidence in Rank High	<ul style="list-style-type: none"> NatureServe 2001, Gleason 1952.
3 Dispersal Capability	B	Tiny seeds requiring micorrhizal associate for seedling establishment. Confidence in Rank Medium	<ul style="list-style-type: none">
4 Abundance in R2	A	"Rare" - Larson (1993). Ranked S2 by NEB Natural Heritage Program. (Ranked SX in KS, recently discovered in ne SD). Confidence in Rank Medium	<ul style="list-style-type: none"> Larson 1993, NatureServe 2001, SDNHP 2001.
5 Population Trend in R2	D	 Confidence in Rank Medium	<ul style="list-style-type: none">
6 Habitat Trend in R2	A	Inhabits swampy woods, fens, bogs, floating mats, pond margins; full sun or partial shade; usually in peat but occasionally in mineral soil; with pHs ranging from slightly acid to strongly calcareous. In the Nebraska Sandhills, this <i>Liparis</i> probably inhabits fens and seepage areas, which have suffered from ditching, draining, and peat mining. Confidence in Rank Medium	<ul style="list-style-type: none"> Smith 1993, Larson 1993, Steinauer 1992.
7 Habitat Vulnerability or Modification	A	ditto. The rangewide habitat for this species is quite broad, but within the Nebraska sandhills, the habitat is probably much more narrowly limited. Confidence in Rank Medium	<ul style="list-style-type: none">

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8 Life History and Demographics	D	Perennial. Confidence in Rank Medium	•
Evaluator(s): David J. Ode			Date: 20 November, 2001

National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY (L)¹ to occur:

Species Name: <i>Liparis loeselii</i>											
<u>Colorado NF/NG</u>		<u>Kansas NF/NG</u>		<u>Nebraska NF/NG</u>		<u>South Dakota NF/NG</u>		<u>Wyoming NF/NG</u>			
Known	Likely	Known	Likely	Known	Likely	Known	Likely	Known	Likely	Known	Likely
		Cimarron NG		Samuel R.McKelvie NF	?	Black Hills NF		Shoshone NF			
				Halsey NF		Buffalo Gap NG		Bighorn NF			
				Nebraska NF		Ft. Pierre NG		Black Hills NF			
				Ogalala NG				Medicine Bow NF			
								Thunder Basin NG			

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¹ Likely is defined as more likely to occur than not occur on the National Forest or Grassland. This generally can be thought of as having a 50% chance or greater of appearing on NFS lands.

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